

In the United States Patent and Trademark Office

Serial Number _____
Appl. Filed 2003 September 24
Applicant Yakov Fleytman
Appl. Title Method of producing enveloping worm
Examiner/GAU: _____

Mailed: 2003 September 24,
At: Lake Orion, MI 48359

Information Disclosure Statement

Assistant Commissioner for Patents
Washington, District of Columbia 20231

Sir:

Attached are completed Form PTO/SB/08A and Form PTO/SB/08B.

None of the references show method of producing an enveloping worm including generation of an enveloping worm thread surface by a cutter rolling around a base circle on a cutting plane with simultaneous rotation of an enveloping worm blank around an axis of said enveloping worm, where a cutting edge of said cutter furthermore rotates around a tooling axis. A radius of rotation of said cutting edge is equal to or bigger than maximum radius of convex curvature of said worm thread and radius of rotation of said cutting edge is equal to or smaller than maximum radius of concave curvature of said worm thread.

None of the references show an enveloping worm blank rotating around an axis of the enveloping worm blank and the enveloping worm blank has relative motion around tooling axis to helical cutter. The helical cutter furthermore has linear motion normal to a cutting plane. Helical's cutter and enveloping worm's blank relative motion around tooling axis can be done by helical cutter rotating around tooling axis with simultaneous rotation of enveloping worm blank around its own and tooling axes or by only rotating enveloping blank around its own axis and tooling axes.

Very respectfully,

Applicant _____



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

(Use as many sheets as necessary)

Sheet 1

of

3.

Application Number

Filing Date

First Named Inventor

Yakov Fleytman

Art Unit

Examiner Name

Attorney Docket Number

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, Washington, DC 20231.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.